

## Message Text

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FM SECSTATE WASHDC

TO AMEMBASSY LIMA

INFO CSAF WASDC/XOXXI

AFSC ANDREWS AFB MD/DOSF

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C O N F I D E N T I A L STATE 002973

E.O. 11652:ADS-DECLASSIFY UPON COMPLETION OF NEGOTIATIONS

TAGS: MILI, PE, US

SUBJECT: REQUEST FOR OPERATING RIGHTS IN SUPPORT OF  
PROJECT 7663

1. REQUEST EMBASSY SEEK APPROVAL OF THE GOP FOR THE PROPOSED FLIGHT OPERATIONS AND AIRFIELD SURVEY DETAILED BELOW. THESE OPERATIONS ARE IN SUPPORT OF THE AIR FORCE CAMBRIDGE RESEARCH LABORATORIES (AFCRL) PROJECT 7663. THIS PROJECT IS CONCERNED WITH OBTAINING A MORE COMPLETE UNDERSTANDING OF THE DYNAMICS OF THE IONOSPHERE TO AID IN DEVELOPING A PREDICTIVE CAPABILITY OF MAGNETOSPHERIC IMPACT ON U.S. AIR FORCE COMMUNICATIONS, NAVIGATION AND SURVEILLANCE SYSTEMS. IT IS A CONTINUING COOPERATIVE PROJECT BETWEEN AFCRL AND SCIENTISTS AT THE INSTITUTE OF GEOPHYSICS OF PERU WHO HAVE, WITH SURPLUS EQUIPMENT FURNISHED BY AFCRL, BEEN PROVIDING SCINTILLATION AND TOTAL ELECTRON CONTENT DATA SINCE 1971.

2. AFCRL PROPOSES TO FLY SEVEN TEST FLIGHTS INTO OR OUT OF  
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JORGE CHAVEZ INTERNATIONAL AIRPORT, LIMA, PERU DURING THE

PERIOD OCTOBER THROUGH NOVEMBER 1976. THE PURPOSE OF THE FLIGHTS WILL BE TO MAP THE EXTENT AND BOUNDARY OF EQUATORIAL SCINTILLATION REGIONS AND TO DETERMINE GENERAL SCINTILLATION MECHANISMS OF THE IONOSPHERE WHICH AFFECT EXISTING AND

PLANNED EQUATORIAL COMMUNICATIONS SATELLITES. IT IS IMPORTANT THAT THE FLIGHTS TAKE PLACE IN AND FROM PERU SINCE THIS IS THE REGION OF MAXIMUM SCINTILLATION AND THE AIRBORNE SCINTILLATION MEASUREMENTS CAN BE CORRELATED WITH PERUVIAN GROUND SCINTILLATION MEASUREMENTS TAKEN AT HUANCAYO AND ANCON AS WELL AS RADAR OBSERVATIONS FROM JICAMARCA OF THE IRREGULAR IONOSPHERIC STRUCTURE. THESE GROUND BASED MEASUREMENTS HAVE BEEN MADE BY PERU FOR THE PAST SIX YEARS IN COOPERATION WITH THE AFCRL.

3. THE TEST FLIGHTS WILL BE ACCOMPLISHED BY AN NKC-135 (707 TYPE) AIRCRAFT, U.S. AIR FORCE SERIAL NUMBER 553131. THE AIRCRAFT IS INSTRUMENTED FOR IONOSPHERIC RESEARCH WHICH INCLUDES GRANGER AND DIGITAL IONOSPHERIC SOUNDERS, PHOTOMETERS, UHF AND VHF RECEIVERS, ALL-SKY CAMERAS AND SPECTROMETER. ALL OF THE EQUIPMENT IS OWNED BY THE USAF. THE CREW WILL CONSIST OF SIX DEPARTMENT OF DEFENSE CIVILIAN SCIENTISTS AND TECHNICIANS, TWO USAF OFFICERS, ONE USAF NON-COMMISSIONED OFFICER AND ONE SCIENTIST FROM THE NATIONAL OCEANIC ATMOSPHERIC ADMINISTRATION. ALL ARE U.S. CITIZENS. INTERESTED PERUVIAN SCIENTISTS OR DIGNITARIES MAY VISIT AND INSPECT THE AIRCRAFT BETWEEN FLIGHTS IF THERE IS NO INTERFERENCE WITH THE SCHEDULED OPERATION OF THE AIRCRAFT.

4. SPECIFIC ROUTES OF FLIGHT ARE PLANNED AS FOLLOWS:

A. FROM WRIGHT PATTERSON AFB (WPAFB), OHIO VIA OVERFLIGHT OF COSTA RICA TO JORGE CHAVEZ INTERNATIONAL AIRPORT, LIMA, PERU. THE FLIGHT WILL BE 9 HOURS, 20 MINUTES IN DURATION. THE AIRCRAFT WILL RETURN TO WPAFB VIA THE REVERSE OF THIS ROUTE.

WPAFB

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33 45N 84 35W  
26 35N 85 00W  
20 00N 85 00W  
13 25N 82 20W  
10 00N 82 20W  
09 00N 84 00W  
02 10N 86 06W  
00 00 86 45W

04 35S 88 10W  
10 00S 90 00W  
11 20S 82 50W

JORGE CHAVEZ INTERNATIONAL AIRPORT

B. FLIGHTS THAT TAKE OFF AND LAND AT JORGE CHAVEZ  
INTERNATIONAL AIRPORT ARE PLANNED FOR A DURATION OF 8  
HOURS FOLLOWING ONE OF THE BELOW ROUTES.

JORGE CHAVEZ INTERNATIONAL AIRPORT

11 20S 79 45W  
12 20S 72 40W  
11 20S 79 45W  
12 20S 72 40W  
11 20S 79 45W  
12 20S 79 45W  
12 20S 72 40W

JORGE CHAVEZ INTERNATIONAL AIRPORT

JORGE CHAVEZ INTERNATIONAL AIRPORT

17 45S 79 10W  
24 30S 81 50W  
31 10S 84 55W  
37 45S 88 15W

VIA REVERSE ROUTE TO JORGE CHAVEZ

5. IN SUPPORT OF THE ABOVE FLIGHTS MR. RALPH F.  
CARNEVALE, GS-11, U.S. CITIZEN, PROJECT COORDINATOR FROM  
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AFCLRL PLANS TO VISIT LIMA APPROXIMATELY 1 OCTOBER 1976 TO  
PERFORM AN AIRFIELD SURVEY OF SUPPORT FACILITIES AT JORGE  
CHAVEZ INTERNATIONAL AIRPORT AND COORDINATE THE PLANNED  
FLIGHT OPERATIONS. TO ACCOMPLISH THESE TASKS WILL REQUIRE  
THAT HE TALK WITH THE AIRPORT MANAGER AND  
REPRESENTATIVES OF THE PERUVIAN AIR FORCE. CARNEVALE  
WILL BE ADVISED TO CHECK IN WITH THE ATTACHE OFFICE AT  
THE EMBASSY PRIOR TO CONTACTING PERUVIAN OFFICIALS OR  
BEGINNING THE AIRFIELD SURVEY. HE WILL ALSO BE COUNSELED  
TO EXERCISE DISCRETION IN THE ACTUAL SURVEY SO AS TO  
AVOID CREATING PERUVIAN MISUNDERSTANDING AS TO HIS PURPOSE.

6. RADIO FREQUENCY CLEARANCE IS BEING OBTAINED IN  
ACCORDANCE WITH AIR FORCE MANUAL 100-31. THE PROJECT  
IS UNCLASSIFIED AND ALL DATA OBTAINED ARE AVAILABLE O;

REQUEST BY THE HOST NATION. THIS IS A CONTINUING COOPERATIVE PROJECT BETWEEN THE AFCRL AND THE INSTITUTE OF GEOPHYSICS OF PERU WHICH IS ADMINISTERED BY THE AIR FORCE OFFICE OF SCIENTIFIC RESEARCH AS A CONTRACT/GRANT IN ACCORDANCE WITH PUBLIC LAW 85-934 AND DEPARTMENT OF STATE AIRGRAM CA 9481, 16 JULY 1968. THE DATA OBTAINED FROM THESE TEST FLIGHTS SHOULD BE USEFUL TO THE PERUVIAN

SCIENTISTS PREVIOUSLY INVOLVED IN THE PROJECT. THE OPERATING AGENCY WILL PROVIDE SPECIFIC INFORMATION FOR THE AIRFIELD SURVEY AND THE FLIGHT OPERATIONS, IN ACCORDANCE WITH THE USAF FOREIGN CLEARANCE GUIDE, AT A LATER DATE.

KISSINGER

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NNN

## Message Attributes

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